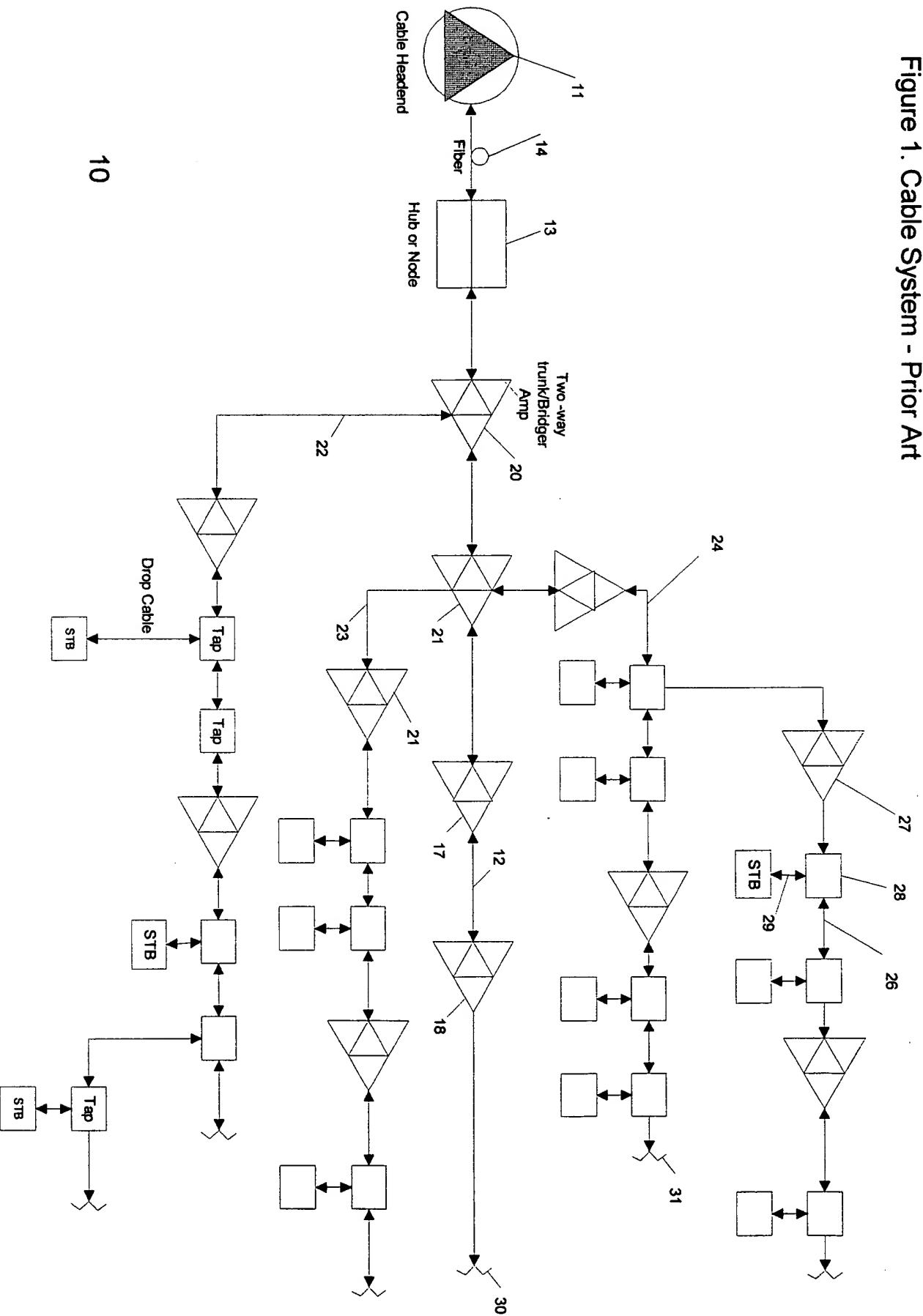




Figure 1. Cable System - Prior Art



**Figure 6.** The effect of the number of iterations ( $n$ ) on the accuracy of the proposed algorithm. The results are shown for different values of  $\alpha$  and  $\beta$ . The x-axis represents the number of iterations ( $n$ ), ranging from 0 to 100. The y-axis represents the accuracy, ranging from 0.8 to 1.0. The legend indicates four cases:  $(\alpha = 0.9, \beta = 0.9)$ ,  $(\alpha = 0.9, \beta = 0.7)$ ,  $(\alpha = 0.7, \beta = 0.9)$ , and  $(\alpha = 0.7, \beta = 0.7)$ .

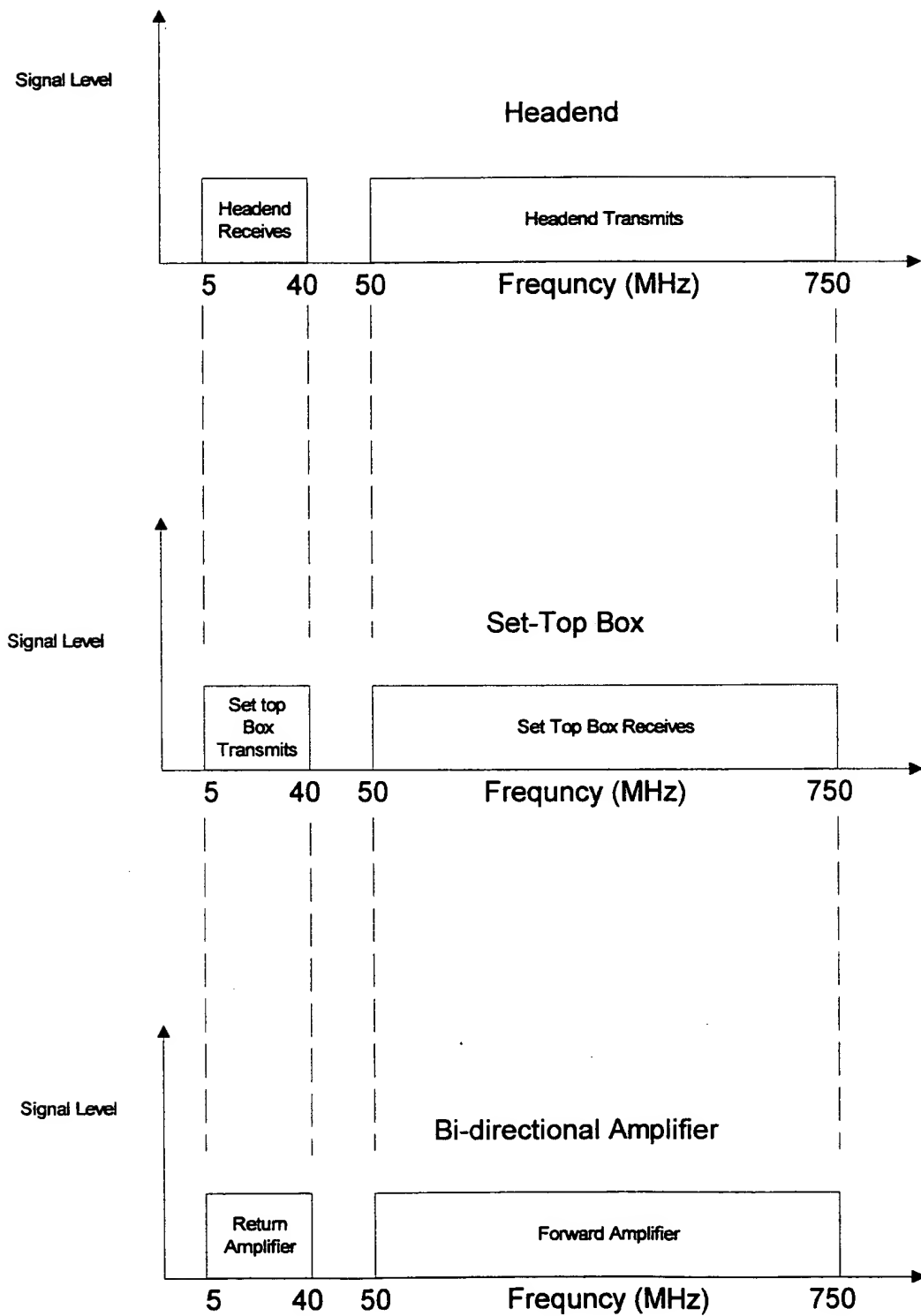


Fig. 3

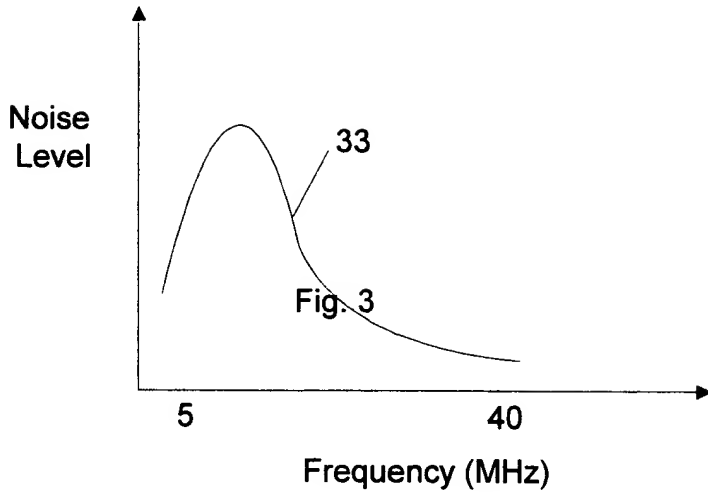


Fig. 6

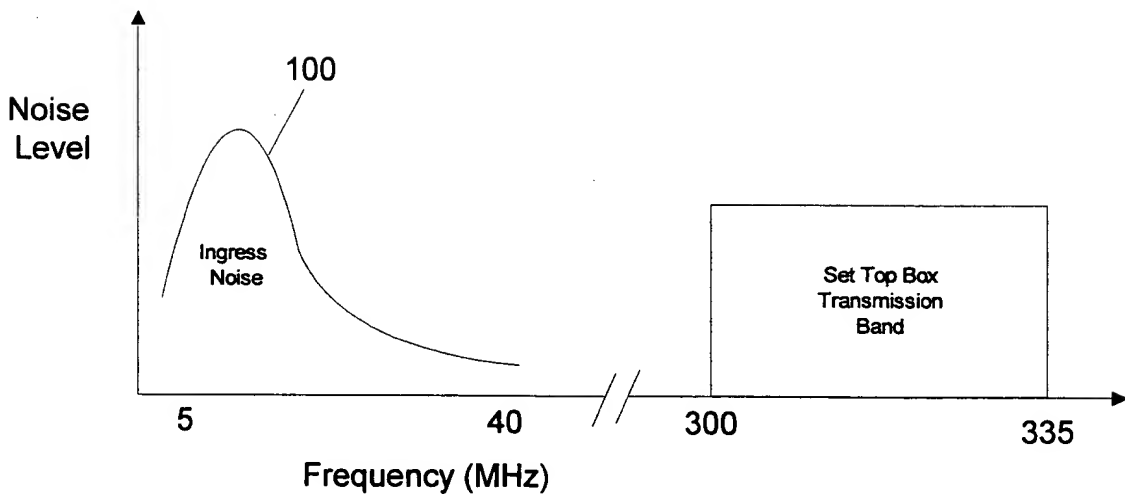


Figure 4.

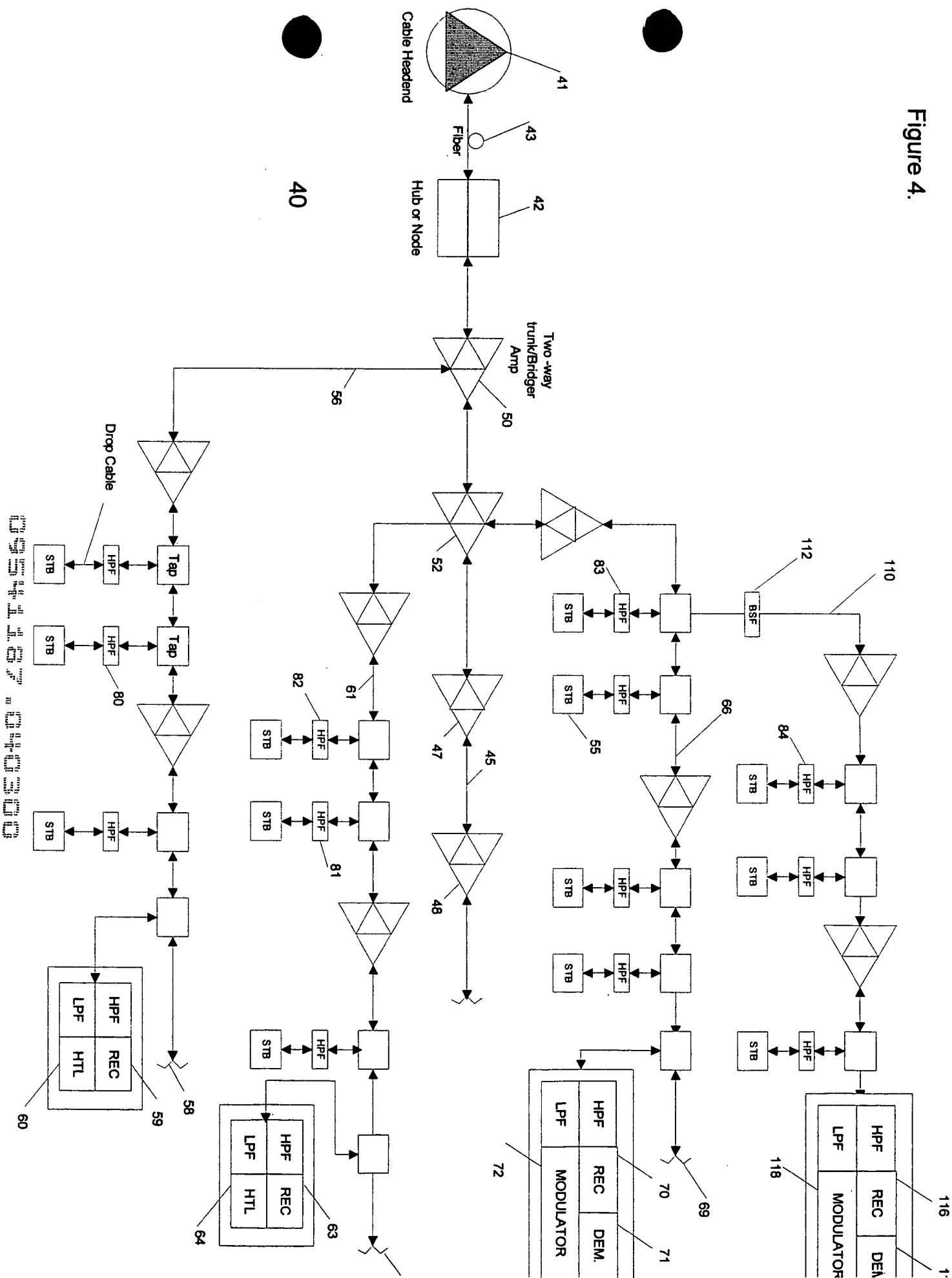


Fig. 5

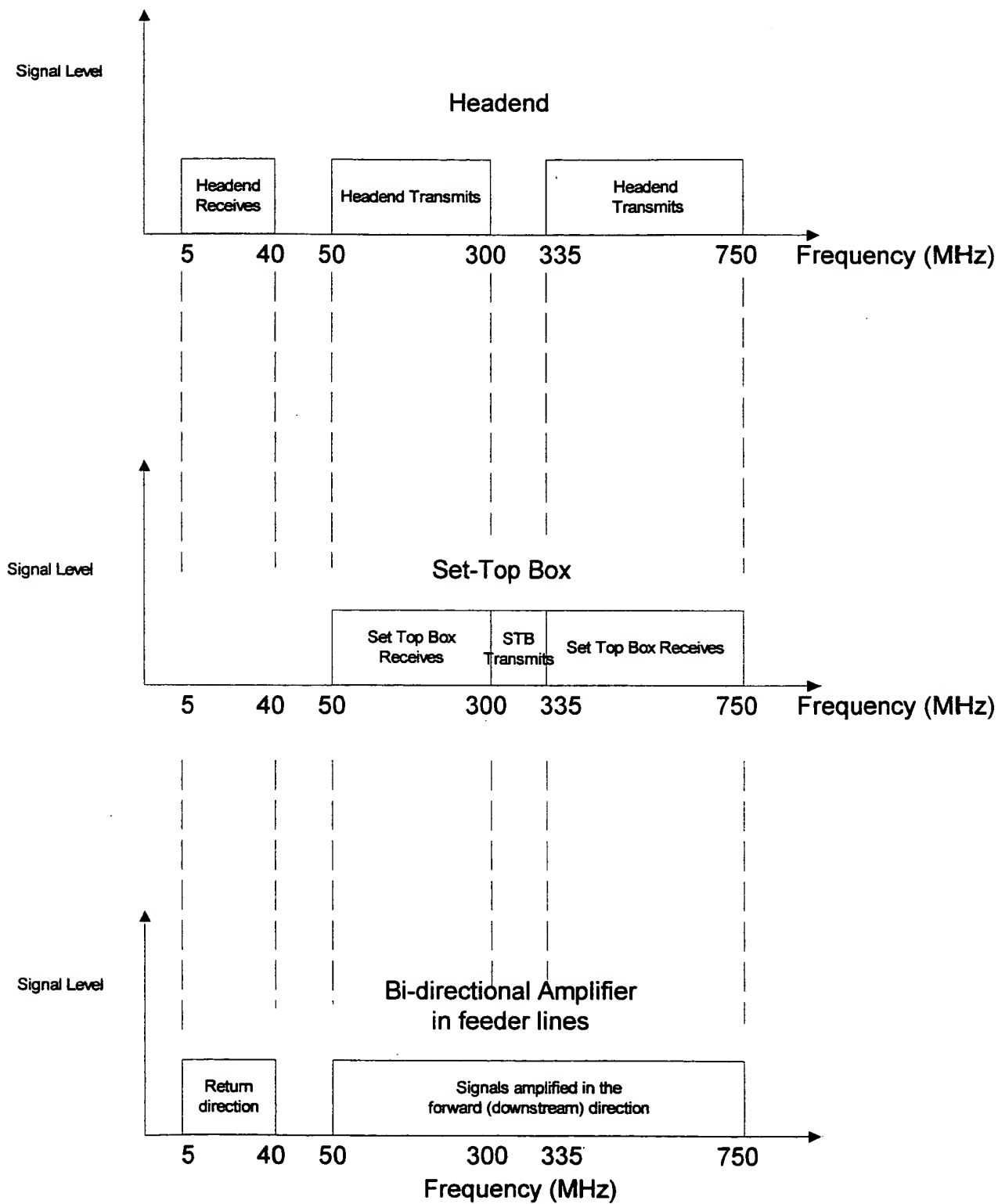


Fig. 7

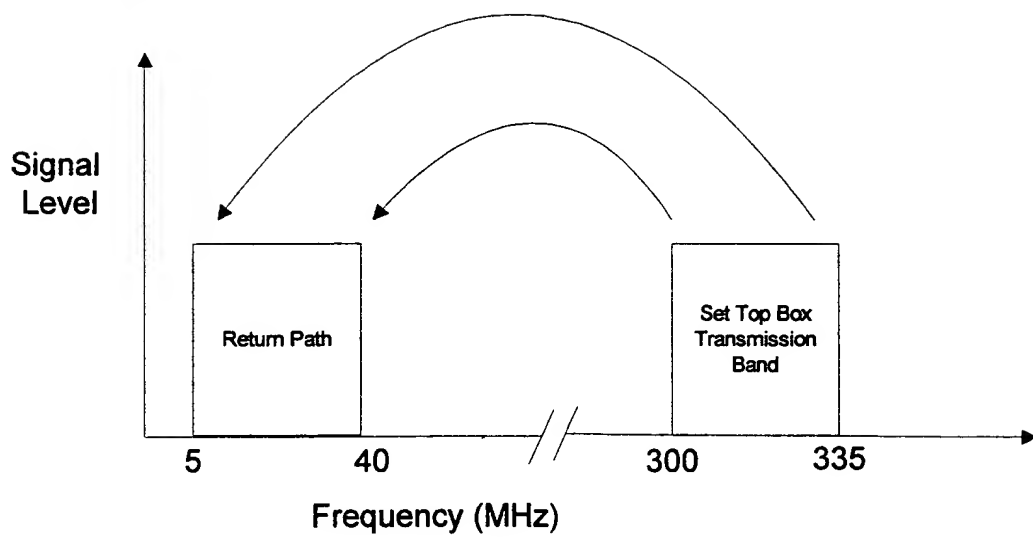


Fig. 8

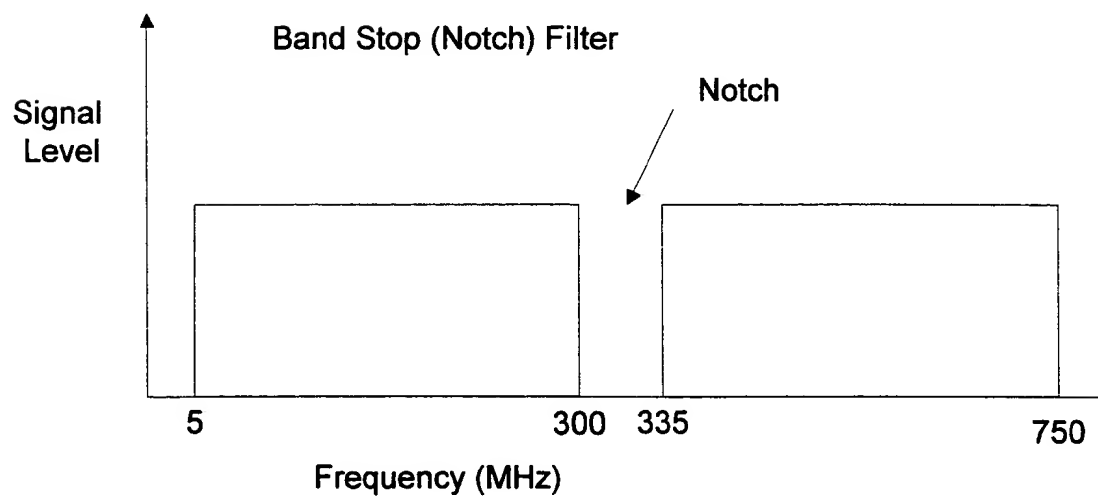


Fig. 9 - Prior Art Set Top Box

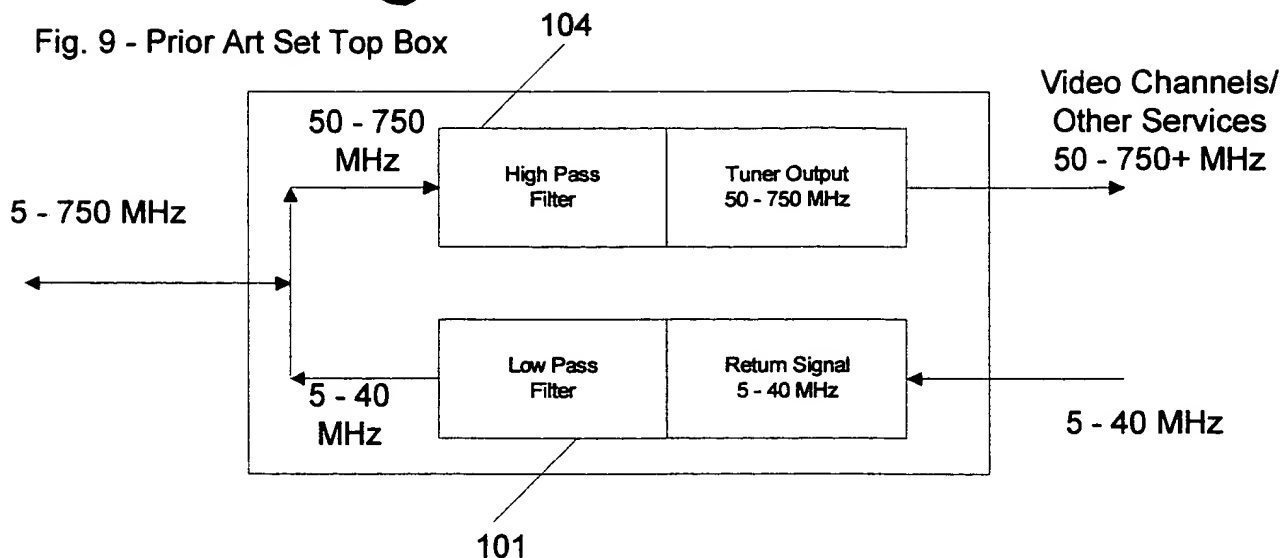


Fig. 10 - Set Top Box

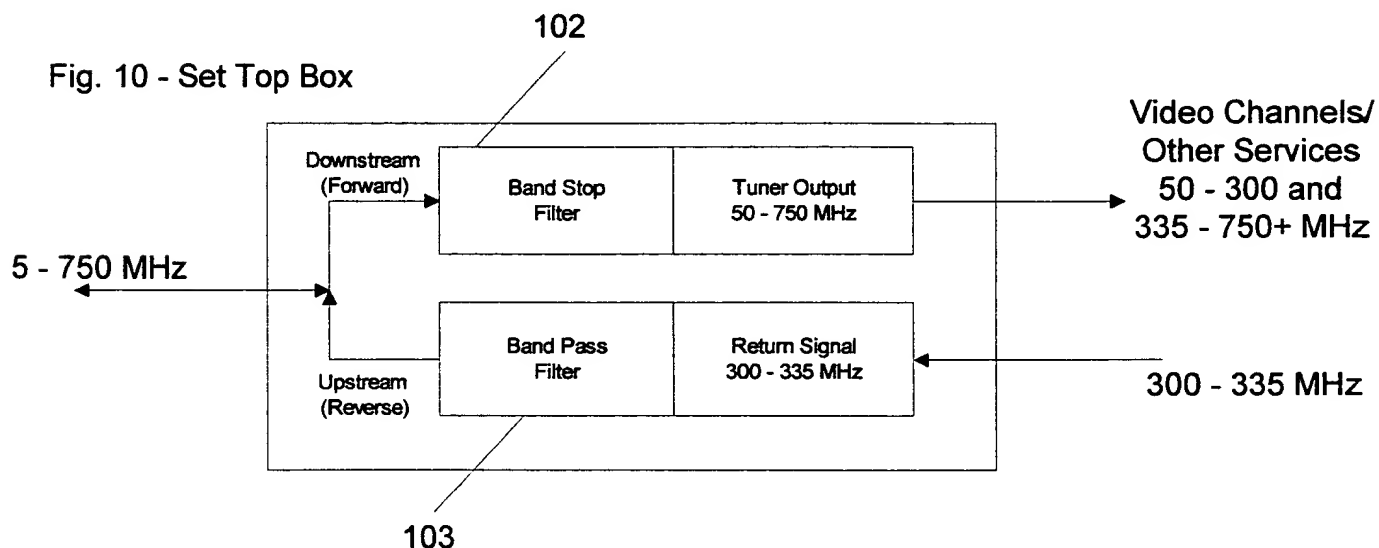


Fig. 11 - Set Top Box

